



# Programme SPNC 2023

**Lieu : Salle du Belvédère, Bat D, Campus 1, 14000 Caen**

## **Journée du 16 Octobre**

09:00 Introduction

09:30 **Keynote 1** : Sahar Moghimi, Chaire de Professeur Junior, Université de Picardie Jules Verne, Inserm (U1105, Amiens)

*Auditory rhythm perception in premature newborns*

10:30 Session poster (avec café)

11:00 Communications étudiant/postdoc (15 min + questions)

Anne-Lise Marais (U1075 COMETE, Caen) “*Evoked brain responses to prediction in typical and atypical children from 2 to 6 years of age*”

Amandine Hippolyte (UR 7273, CRP-CPO, Amiens) “*How atypical children's brain process rhythm: the case of Williams syndrome*”

Chiara Capparini (Université Libre de Bruxelles) “*Investigating learning mechanisms during stimulus exposure: an EEG frequency tagging approach*”

Pierre Corvilain (Université Libre de Bruxelles) “*Recording of Auditory-Evoked Responses in the Newborn Brain using Optically Pumped Magnetometers*”

12:30 Déjeuner et poster

13:30 **Keynote 2** Nacim Betrouni, Chercheur Inserm (U1172, Lille)

*EEG biomarkers of cognitive decline: studies in Parkinson's disease and different forms of dementia.*

14:30 **Cutting-Gardens**

17:00 Session poster (avec café)

17:30 Assemblée Générale de la SPNC

20:00 Dîner au restaurant

## **Journée du 17 Octobre**

**09:00 Keynote 3** : Lucie Angel, Maître de conférences, Université de Tours (U7295, Tours)

*An electrophysiological approach of memory in aging*

10:00 Session poster (avec café)

10:30 Communications étudiant/postdoc

Giulia Buzi (U1077 NIMH, Caen) “*TIMES: Exploring changes of neural underpinnings of temporal processing in cognitive aging and in presence of depressive symptoms*”

Sinead Gaubert (U1144, Paris) “*Improving early diagnosis of neurodegenerative diseases using MEG-based machine learning in the BioFIND dataset*”

Noémie Monchy (U1099 LTSI, Rennes) “*Aperiodic characteristics of electrophysiological signals in Parkinson's disease during cognitive action control*”

Marine Bessé (U7295 CeRCA, Tours) “*How does memory age in ASD?*”

12:00 Déjeuner et poster

13:30 Communications étudiant/postdoc

Cathy Marlair (UC Louvain) “*Frequency-tagging EEG reveals instruction-driven magnitude integration using the numerical distance effect*”

Jérémie Ginzburg (U1028 CRNL, Lyon) “*Neurophysiological Markers Of Musical And Verbal Short-term Memory: A Functional Near-infrared Spectroscopy (fNIRS) Study*”

Romaric Thiboud (U1028 CRNL, Lyon) “*Memory retention strategies: unveiling neurophysiological signatures through machine learning*”

**14:30 Cutting-Gardens (avec café)**

17:00 Mots de clôture